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Amendment dated November 7, 2005

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## **AMENDMENTS TO THE CLAIMS**

Docket No.: 0808-0345P

Please amend the claims as follows:

1. (Currently Amended) A method for preparing a catalyst for partial oxidation of acrolein represented by the following Chemical Formula 1 having a BET surface area of 4 to 15, comprising the steps of:

| a) | dissolving one or more kinds of metal salts selected from | the group consisting of |
|----|-----------------------------------------------------------|-------------------------|
|    | i) a molybdenum salt,                                     | •                       |

- ii) a tungsten salt,
- iii) a vanadium salt,
- iv) a salt of a metal selected from iron, copper, strontium, bismuth, ehrome chromium, tin, antimony, and potassium, and
- v) a salt of an alkali alkaline earth metal, and a mixture thereof in water to prepare a catalyst suspension;
- b) introducing a base solution and an acid solution into the a) catalyst suspension to control acidity of the catalyst suspension to a pH of 3.5 to 6.5;
- c) contacting the b) catalyst suspension of which acidity is controlled with an inert support to support the catalyst thereon; and
- d) drying and firing the c) supported catalyst:

[Chemical Formula 1]

 $Mo_aW_bV_cA_dB_eO_x$ 

wherein

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Mo is molybdenum, W is tungsten, V is vanadium;

A is iron, copper, bismuth, ehrome chromium, tin, antimony, or potassium;

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B is an alkali alkaline earth metal; and

a, b, c, d, and e respectively represent the atomic

ratio of each metal, and when a is 12, b is  $1\sim5$ , c is  $1\sim6$ , d is  $1\sim5$ , and e is  $0\sim3$ ,

and x is determined according to the oxidation state of each metal.

2. (Original) The method for preparing a catalyst for partial oxidation of acrolein

according to claim 1, wherein in the a) catalyst suspension, the maximum particle size of the

metal salts is 10 μm.

3. (Currently Amended) The method for preparing a catalyst for partial oxidation of

acrolein according to claim 2, wherein the b) base solution is a base solution of one or more kinds

members selected from the group consisting of ammonia, pyridine, methylamine, and

ethyldiamine, or an organic base solution having 1~10 carbon atoms.

4. (Currently Amended) The method for preparing a catalyst for partial oxidation of

acrolein according to claim 2, wherein the b) acid solution is an organic acid solution having

1~10 carbon atoms, and is one or more kinds members selected from the group consisting of

nitric acid, acetic acid, and citric acid.

5. (Currently Amended) A catalyst for partial oxidation of acrolein represented by the

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following Chemical Formula 1, which has a BET surface area of 4 to 15, and is prepared by

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introducing an acid solution and a base solution into a catalyst suspension prepared by dissolving

metal salts consisting of i) a molybdenum salt, ii) a tungsten salt, iii) a vanadium salt, iv) a salt of

a metal selected from iron, copper, bismuth, chromium, tin, antimony, and potassium, and v) a

salt of an alkaline earth metal one or more kinds of metal salts selected from the group consisting

of molybdenum, tungsten, iron, copper, strontium, bismuth, chrome, tin, antimony, potassium,

and an alkali earth metal to control the acidity of the catalyst suspension to a pH of 3.5 to 6.5,

contacting the catalyst suspension of which acidity is controlled with an inert support to support

the catalyst thereon, and then drying and firing the supported catalyst:

[Chemical Formula 1]

 $Mo_aW_bV_cA_dB_eO_x$ 

wherein

Mo is molybdenum, W is tungsten, V is vanadium;

A is iron, copper, bismuth, ehrome chromium, tin, antimony, or potassium;

B is an alkali alkaline earth metal; and

a, b, c, d, and e respectively represent the atomic ratio of each metal, and when a is 12, b

is 1~5, c is 1~6, d is 1~5, and e is 0~3, and x is determined according to the oxidation

state of each metal.

6. (New) The method for preparing a catalyst for partial oxidation of acrolein according

to claim 1, wherein in step b), the acidity of the catalyst suspension is controlled to a pH of 4.0 to

5.5.

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7. (New) The catalyst for partial oxidation of acrolein according to claim 5, wherein the acidity of the catalyst suspension is controlled to a pH of 4.0 to 5.5.

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